PCT09

```
                RAW SEQUENCE LISTING            DATE: 12/04/2001
                PATENT APPLICATION:  US/09/979,588    TIME: 11:52:58

                Input Set : A:\seqlist.txt
                Output Set: N:\CRF3\11212001\I979588.raw        p.5
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   2 <110> APPLICANT: Bolger, Graeme B.
   3         Houslay, Miles D.
   4         Steele, Michael R.
   5         Yarwood, Stephen J.
   7 <120> TITLE OF INVENTION: Interaction of the Cyclic-AMP-Specific
   8         Phosphodiesterase PDE4D5 with RACK1
  10 <130> FILE REFERENCE: T9046.PCT
C-->12 <140> CURRENT APPLICATION NUMBER: US/09/979,588
C-->14 <141> CURRENT FILING DATE: 2001-11-16
  16 <150> PRIOR APPLICATION NUMBER: US 60/135,035
  18 <151> PRIOR FILING DATE: 1999-05-20
  20 <160> NUMBER OF SEQ ID NOS: 51
  22 <170> SOFTWARE: WordPerfect 8.0
  24 <210> SEQ ID NO: 1
  26 <211> LENGTH: 88
  28 <212> TYPE: PRT
  30 <213> ORGANISM: Homo sapiens
  32 <400> SEQUENCE: 1
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  35     1               5                  10                  15
  37     Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
  38                    20                  25                  30
  40     Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
  41                    35                 .40                  45
  43     Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
  44                    50                  55                  60
  46     Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
  47                    65                  70                  75
  49     Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
  50                    80                  85
  52 <210> SEQ ID NO: 2
  54 <211> LENGTH: 88
  56 <212> TYPE: PRT
  58 <213> ORGANISM: Homo sapiens
  60 <400> SEQUENCE: 2
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  65     Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
  66                    20                  25                  30
  68     Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
  69                    35                  40                  45
  71     Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
  72                    50                  55                  60
  74     Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
  75                    65                  70                  75
  77     Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
  78                    80                  85
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ENTERED

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PATENT APPLICATION: US/09/979,588   TIME: 11:52:58

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\11212001\I979588.raw

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82  <211> LENGTH: 88
84  <212> TYPE: PRT
86  <213> ORGANISM: Homo sapiens
88  <400> SEQUENCE: 3
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93      Asp Ala Pro His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
94                      20                  25                  30
96      Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
97                      35                  40                  45
99      Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
100                     50                  55                  60
102     Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
103                     65                  70                  75
105     Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
106                     80                  85
108 <210> SEQ ID NO: 4
110 <211> LENGTH: 88
112 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
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121     Asp Asn Ala His Cys Pro Asn Pro Trp Leu Asn Glu Asp Leu Val
122                     20                  25                  30
124     Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
125                     35                  40                  45
127     Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
128                     50                  55                  60
130     Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
131                     65                  70                  75
133     Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
134                     80                  85
136 <210> SEQ ID NO: 5
138 <211> LENGTH: 88
140 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
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149     Asp Asn Pro His Cys Ala Asn Pro Trp Leu Asn Glu Asp Leu Val
150                     20                  25                  30
152     Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
153                     35                  40                  45
155     Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
156                     50                  55                  60
158     Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
159                     65                  70                  75
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161       Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
162                       80                  85
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168 <212> TYPE: PRT
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172 <400> SEQUENCE: 6
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175       1               5                  10                  15
177       Asp Asn Pro His Cys Pro Ala Pro Trp Leu Asn Glu Asp Leu Val
178                       20                  25                  30
180       Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
181                       35                  40                  45
183       Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
184                       50                  55                  60
186       Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
187                       65                  70                  75
189       Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
190                       80                  85
192 <210> SEQ ID NO: 7
194 <211> LENGTH: 88
196 <212> TYPE: PRT
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 7
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205       Asp Asn Pro His Cys Pro Asn Ala Trp Leu Asn Glu Asp Leu Val
206                       20                  25                  30
208       Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
209                       35                  40                  45
211       Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
212                       50                  55                  60
214       Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
215                       65                  70                  75
217       Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
218                       80                  85
220 <210> SEQ ID NO: 8
222 <211> LENGTH: 88
224 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
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231       1               5                  10                  15
233       Asp Asn Pro His Cys Pro Asn Pro Ala Leu Asn Glu Asp Leu Val
234                       20                  25                  30
236       Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
237                       35                  40                  45
239       Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
240                       50                  55                  60
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242       Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
243                       65                  70                  75
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246                       80                  85
248 <210> SEQ ID NO: 9
250 <211> LENGTH: 88
252 <212> TYPE: PRT
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 9
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259        1               5                  10                  15
261       Asp Asn Pro His Cys Pro Asn Pro Trp Ala Asn Glu Asp Leu Val
262                       20                  25                  30
264       Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
265                       35                  40                  45
267       Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
268                       50                  55                  60
270       Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
271                       65                  70                  75
273       Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
274                       80                  85
276 <210> SEQ ID NO: 10
278 <211> LENGTH: 88
280 <212> TYPE: PRT
282 <213> ORGANISM: Homo sapiens
284 <400> SEQUENCE: 10
286       Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
287        1               5                  10                  15
289       Asp Asn Pro His Cys Pro Asn Pro Trp Leu Ala Glu Asp Leu Val
290                       20                  25                  30
292       Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
293                       35                  40                  45
295       Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
296                       50                  55                  60
298       Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
299                       65                  70                  75
301       Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
302                       80                  85
304 <210> SEQ ID NO: 11
306 <211> LENGTH: 88
308 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
312 <400> SEQUENCE: 11
314       Met Ala Gln Gln Thr Ser Pro Asp Thr Leu Thr Val Pro Glu Val
315        1               5                  10                  15
317       Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn Ala Asp Leu Val
318                       20                  25                  30
320       Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys Thr
321                       35                  40                  45
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                    RAW SEQUENCE LISTING              DATE: 12/04/2001
                    PATENT APPLICATION:  US/09/979,588    TIME: 11:52:58

                    Input Set : A:\seqlist.txt
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323        Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro
324                         50               55                   60
326        Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn
327                         65               70                   75
329        Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
330                         80               85
332 <210> SEQ ID NO: 12
334 <211> LENGTH: 77
336 <212> TYPE: PRT
338 <213> ORGANISM: Homo sapiens
340 <400> SEQUENCE: 12
342        Val Pro Glu Val Asp Asn Pro His Cys Pro Asn Pro Trp Leu Asn
343         1               5               10                  15
345        Glu Asp Leu Val Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu
346                         20               25                  30
348        Lys Ser Lys Thr Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro
349                         35               40                  45
351        Val Ile Ser Pro Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu
352                         50               55                  60
354        Leu Ser Ser Asn Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His
355                         65               70                  75
357        Thr Cys
359 <210> SEQ ID NO: 13
361 <211> LENGTH: 59
363 <212> TYPE: PRT
365 <213> ORGANISM: Homo sapiens
367 <400> SEQUENCE: 13
369        Val Lys Ser Leu Arg Glu Asn Leu Leu Gln His Glu Lys Ser Lys
370         1               5               10                  15
372        Thr Ala Arg Lys Ser Val Ser Pro Lys Leu Ser Pro Val Ile Ser
373                         20               25                  30
375        Pro Arg Asn Ser Pro Arg Leu Leu Arg Arg Met Leu Leu Ser Ser
376                         35               40                  45
378        Asn Ile Pro Lys Gln Arg Arg Phe Thr Val Ala His Thr Cys
379                         50               55
381 <210> SEQ ID NO: 14
383 <211> LENGTH: 39
385 <212> TYPE: PRT
387 <213> ORGANISM: Homo sapiens
389 <400> SEQUENCE: 14
391        Val Ser Pro Lys Leu Ser Pro Val Ile Ser Pro Arg Asn Ser Pro
392         1               5               10                  15
394        Arg Leu Leu Arg Arg Met Leu Leu Ser Ser Asn Ile Pro Lys Gln
395                         20               25                  30
397        Arg Arg Phe Thr Val Ala His Thr Cys
398                         35
400 <210> SEQ ID NO: 15
402 <211> LENGTH: 19
404 <212> TYPE: PRT
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Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/979,588

DATE: 12/04/2001
TIME: 11:52:59

Input Set : **A:\seqlist.txt**
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51